

WHAT IS CLAIMED IS:

1. A modular electrical device combination comprising:

- a first module disposed in a housing; and

- a second module;

wherein the first module includes:

- at least one of an indicating device and an actuating device;

- at least one fastening portion disposed on a rear side of the first module, the at least one fastening portion being configured to extend through a corresponding mounting opening in a mounting panel, at least one fastening portion including at least one fastening element configured to mount the first module on the mounting panel, the at least one fastening portion including an extension at a free end thereof;

- a first electrical connector device disposed in the extension of the at least one fastening portion and configured to separably connect the first module to the second module; and

- a first mechanical connector device disposed at the extension of the at least one fastening portion and configured to separably connect the first module to the second module; and

wherein the second module includes:

- a second electrical connector device configured to separably connect the second module to the first module; and

- a second mechanical connector device configured to separably connect the second module to the first module.

2. The modular electrical device as recited in claim 1 wherein the first module is an operator control module and the second module is a computer module.

3. The modular electrical device as recited in claim 1 wherein the first module further includes at least one element disposed on a rear side of the housing is a region of the at least one fastening portion and configured to provide a splash-proof seal between the housing and the mounting panel.

4. The modular electrical device as recited in claim 3 wherein the sealing element includes

an elastic material integrated in the rear side of the housing by a two-component injection molding process.

5. The modular electrical device as recited in claim 1 wherein the at least one fastening element includes threads for a fastening ring.
6. The modular electrical device as recited in claim 1 further comprising a latching slide and wherein a first mechanical connector device includes a first latch device and the second mechanical connector device includes a second latch device configured to cooperate with the first latch device so as to lock without tools and be unlocked by actuating the latching slide.
7. The modular electrical device as recited in claim 6 wherein the first latch device includes an L-shaped latching nose and wherein the second latch device is disposed in the latching slide, the latching slide being longitudinally movable, the first latch device and the second latch device cooperating in an accurately fitting manner.
8. The modular electrical device as recited in claim 6 wherein the first mechanical connector device includes an L-shaped latching nose and the latching slide includes at least one ejection slope configured to cooperate with the L-shaped latching nose in an ejection direction upon and actuation of the latching slide.
9. The modular electrical device as recited in claim 6 wherein the latching slide includes gripping recess for receiving a pin-like tool so as to operate the latching slide.
10. The modular electrical device as recited in claim 6 wherein the latching slide includes at least one inclined ejection slope which cooperate with the first latch device so as to separate the second module from the first module upon actuation of the latching slide.
11. The modular electrical device as recited in claim 1 wherein the indicating device includes at least one of a display and a light-emitting indicator and wherein the actuating device includes a data input device including at least one of keypad keys and a sensor.

12. The modular electrical device as recited in claim 11 wherein the sensor includes a biometric sensor.
13. The modular electrical device as recited in claim 11 wherein the sensor includes at least one of a sensor for a papillary finger pattern, a sensor for voice recognition, and a sensor for an eye pattern.
14. The modular electrical device as recited in claim 1 wherein the second mechanical connector device includes a mounting rail fastening device disposed on a side thereof configured for detachable mounting of the second module on a mounting rail, the mounting rail including an opening for passing through the at least one fastening portion in a region of the second mechanical connector device.
15. The modular electrical device as recited in claim 1 wherein the second module further includes a third mechanical connector device and a third electrical connector device, the third mechanical connector device and a third electrical connector device being disposed on a side of the second module facing away from the first module, the third mechanical connector device and a third electrical connector device being configured for mechanical and electrical coupling, respectively, of the second module to a further electronic module.
16. The modular electrical device as recited in claim 1 wherein:
 - the indicating device includes a display;
 - the actuating device includes a data input device; and
 - the second module is a computer module included in control electronics, control and switching functions being inputtable and programmable by a user using the data input device and the display as a menu-driven user interface
17. The modular electrical device as recited in claim 1 wherein the first and second modules are included in an electronic control unit, the first module being an operator control module and including a biometric scanner, the second module being a computer module configured to store

user-related identification data, and being configured, upon a match of data measured by the biometric scanner with the stored user-related identification data, to issue a control command.

18. The modular electrical device as recited in claim 17 wherein the biometric scanner is a finger scanner.

19. The modular electrical device as recited in claim 17 wherein the control command includes at least one of a switching, an enabling and a disabling command.